AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A method of sequentially ~~killing~~ reducing the size of a solid tumor greater than 1 mm in size until tumor growth cannot recur in a human in need of such treatment, comprising the steps of:

(a) selecting an antibody that targets a specific binding site on a tumor cell comprising the solid tumor;

~~(b) selecting an alpha particle emitting isotope;~~

(b) ~~(c)~~ selecting a high specific activity for a[[n]] ~~alpha particle emitting radioactive isotope~~ bismuth-213/antibody construct from about ~~0.1~~ 10 mCi/mg to about 30 mCi/mg, said construct comprising ~~said isotope~~ bismuth-213 conjugated to said antibody via a bifunctional chelant;

(c) ~~said selected specific activity sufficient for a pharmacologically effective~~ selecting a dose of said construct to provide ~~an~~ a pharmacologically effective amount of antibody to bind to a sufficient plurality of said targeted sites on ~~the~~ each tumor cell on an outer layer of tumor cells comprising the solid tumor[[,]] ~~wherein~~ so that a minimum of ~~one~~ two atoms of ~~said alpha particle emitting isotope comprising said construct~~ bismuth-213 delivers at least one alpha ~~track~~ particle to ~~the~~ each tumor cell comprising said outer layer upon binding the antibody thereto;

(d) intravenously administering the dose of said high specific activity construct to said human, whereupon the ~~size of the~~ tumor cells receiving said alpha particle are killed ~~is reduced~~; and

PAGE 2/13 * RCVD AT 12/29/2005 2:24:09 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/25 * DNIS:2738300 * CSID:7132705361 * DURATION (mm-ss):06-04

(e) repeating step (d) wherein each repetition kills an additional layer of tumor cells thereby sequentially reducing ~~further reduces~~ the size of the solid tumor ~~thereby killing the~~ until tumor growth cannot recur.

Claims 2-6 (canceled).

Claim 7 (previously presented): The method of claim 1, wherein said dose is from about 0.1 mg/m^2 to about 10 mg/m^2.

Claims 8-22 (canceled).

PAGE 3/13 * RCVD AT 12/29/2005 2:24:09 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/25 * DNIS:2738300 * CSID:7132705361 * DURATION (mm-ss):06-04